

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/633,566	08/05/2003	Tamon Kasajima	033211-037	7157
21839	7590 07/14/2005		EXAMINER	
	AN INGERSOLL PC	BLOUIN, MARK S		
(INCLUDING BURNS, DOANE, SWECKER & MATHIS) POST OFFICE BOX 1404			ART UNIT	PAPER NUMBER
	ORIA, VA 22313-1404	2653		

DATE MAILED: 07/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner Mark Blouin The MAILING DATE of this communication appears on the cover sheet with the correse Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) Fit THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely file after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be if NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory period will apply and will expire SIX (6) MONTHS from the maximum statutory minimum of thirty (30) days will be after SIX (6) MONTHS from the maximum statutory minimum of thirty (30) days will be after SIX (6) MONTHS from the maximum statutory minimum of thirty (30) days will be after SIX (6) MONTHS from the maximum statutory minimum of thirty (30) days will be after SIX (6) MONTHS from the maxi			Application No.	Applicant(s)			
Period for Reply As HORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FI THE MAILING DATE of THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely fill after St (s) MONTH'S from the mailing date of this communication appears and will apply and will expire StX (6) MONTH'S from the mailing date of this communication reply within the saturatory minimum of thirty (30) days will be stated by (6) MONTH'S from the mailing date of this communication and will apply and will expire StX (6) MONTH'S from the me reply within the solution of the period for reply will be stated will apply and will expire StX (6) MONTH'S from the me reply within the solution of the period for reply will be stated will apply and will expire StX (6) MONTH'S from the me reply within the solution of the policidation of the provision of the mailing date of this communication, even if timely filed, may rearred patent term adjustment. See 37 CFR 1.704(b). Status 1)	Office Action Summary			KASAJIMA ET AL.			
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FI THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely fill after StX (s) MONTHS from the mailing date of this communication. If the period for reply specified above, the medical provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely fill after StX (s) MONTHS from the mailing date of this communication. If the period for reply is specified above, the medical provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely fill after StX (s) MONTHS from the mailing date of the statutory minimum of thinh (30) days, will be 11 NO period for reply is specified above, the medical provisions of the statutory minimum of thinh (30) days, and the statutory minimum of thinh (30) days, will be 11 NO period for reply is specified above, the medical provisions of the statutory minimum of thinh (30) days, and the statutory minimum of thinh (30) days, and the statutory minimum of thinh (30) days will be 11 NO period for reply specified above, the medical provisions of the statutory minimum of thinh (30) days, and the statutory minimum of thinh (30) days and the statutory minimum of thinh (30) days and the statutory minimum of				Art Unit			
		•		2653			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FI THE MAILING DATE OF THIS COMMUNICATION. - Edenosinos of time may be available under the provisions of 3 °CFR 1.136(a). In no event, however, may a reply be timely file after SIX (6) MONTHS from the mailing date of this communication. If the period for reply sepecified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be 1 tho period to reply sepecified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the Failure to reply within the sot or extended period for reply will, by statute, cause the application to become ABANDONED (35 Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may rearrange patent term adjustment. See 37 °CFR 1.704(b). Status 1) Responsive to communication(s) filed on <u>04 May 2005</u> . 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosect closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 °C. Disposition of Claims 4) Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-16 is/are rejected. 7) Claim(s) is/are allowed. 6) Claim(s) 1-16 is/are rejected to. 8) Claim(s) 1-16 is/are rejected to. 8) Claim(s) is/are objected to by the Examiner. 10) The drawing(s) filed on <u>05 August 2003</u> is/are: a) accepted or b) objected to by Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 °C. Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected 11) The oath or declaration is objected to by the Examiner. Note the attached Office Acti Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) a) All b) Some * °C) None of: 1. Certified copies of	The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
THE MAILING DATE OF THIS COMMUNICATION. Extensioned time may be available under the provisions of 37 CFR 1.736(a). In no event, however, may a reply be timely file after SIX (6) MONTHS from the mailing date of this communication. If the paried for reply segrified above is loss than thinty (30) days, a reply within the statutory minimum of thinty (30) days will be 1 th NO period for reply segrified above is loss than thinty (30) days, a reply within the statutory minimum of thinty (30) days will be 1 th NO period for reply segrified above, the maximum statutory period viril apply and will expire SIX (6) MONTHS from the maximum to reply within the sold or extended period for reply with by statute, cause the application to become ABONDED (35 Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may rearred patent term adjustment. See 37 CFR 1.704(b). Status 1) □ Responsive to communication(s) filed on 04 May 2005. 2a) □ This action is FINAL. 2b) □ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosect closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O. Disposition of Claims 4) □ Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to by the Examiner. 10) □ The drawing(s) filed on 05 August 2003 is/are: a) □ accepted or b) □ objected to by Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on 05 August 2003 is/are: a) □ accepted or b) □ objected to by Application may not request that any objection to the drawing(s) be held in abeyance. See 37 or Replacement drawing sheet(s) including the correction is required if the drawing(s) is obje				(a) 50014			
1)	THE MAILING DAT - Extensions of time may be after SIX (6) MONTHS from the second for reply specified for reply is second for reply is second for reply within the Any reply received by the	E OF THIS COMMUNICATION. De available under the provisions of 37 CFR 1.13 om the mailing date of this communication. Description of the communication of the mailing date of this communication. Description of the provided provided above, the maximum statutory period was set or extended period for reply will, by statute of the confice later than three months after the mailing the confice later than three months after the mailing the confice later than three months after the mailing the confice later than three months after the mailing the confice later than three months after the mailing the confice later than three months after the mailing the confice later than three months after the mailing the confice later than three months after the mailing the confice later than three months after the mailing the confice later than three months after the mailing the confice later than three months after the mailing than the confice later than three months after the mailing than the confice later than three months after the mailing than the confice later than three months after the mailing than the confice later than three months after the mailing than the confice later than three months after the mailing than the confice later than three months after the mailing than the confice later than three months after the mailing than the confice later than three months after the mailing than the confice later than three months after the confice later than the confice later than three months after the confice later than the c	36(a). In no event, however, may a reply be tir y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from t, cause the application to become ABANDONE	mely filed /s will be considered timely. In the mailing date of this communication. ID (35 U.S.C.§ 133).			
2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecuclosed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O. Disposition of Claims 4) ☐ Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on 05 August 2003 is/are: a) ☐ accepted or b) ☐ objected to by Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 Orall Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to by the Examiner. Note the attached Office Action 1) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action 2 ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) a) ☐ All b) ☐ Some * c) ☐ None of: 1 ☐ Certified copies of the priority documents have been received. 2 ☐ Certified copies of the priority documents have been received in Application None of the certified copies of the priority documents have been received in application from the International Bureau (PCT Rule 17.2(a)).	Status						
2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecuclosed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O. Disposition of Claims 4) ☐ Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on 05 August 2003 is/are: a) ☐ accepted or b) ☐ objected to by Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 Orall Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to by the Examiner. Note the attached Office Action 1) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action 2 ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) a) ☐ All b) ☐ Some * c) ☐ None of: 1 ☐ Certified copies of the priority documents have been received. 2 ☐ Certified copies of the priority documents have been received in Application None of the certified copies of the priority documents have been received in application from the International Bureau (PCT Rule 17.2(a)).	1)⊠ Responsive t	o communication(s) filed on <u>04 M</u>	<u>lay 2005</u> .				
Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) ☒ Claim(s) 1-16 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) ☒ The drawing(s) filed on 05 August 2003 is/are: a) ☒ accepted or b) □ objected to by Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 G Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Acti Priority under 35 U.S.C. § 119 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) a) ☒ All b) □ Some * c) □ None of: 1. ☒ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application N 3. □ Copies of the certified copies of the priority documents have been received in application from the International Bureau (PCT Rule 17.2(a)).	•						
4) Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-16 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 05 August 2003 is/are: a) accepted or b) objected to by Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 (and the properties of the drawing sheet(s) including the correction is required if the drawing(s) is objected 11) The oath or declaration is objected to by the Examiner. Note the attached Office Actional Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application N 3. Copies of the certified copies of the priority documents have been received in application from the International Bureau (PCT Rule 17.2(a)).		Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) ☒ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) ☒ The drawing(s) filed on 05 August 2003 is/are: a) ☒ accepted or b) □ objected to by Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 (Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected. 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action Priority under 35 U.S.C. § 119 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) a) ☒ All b) □ Some * c) □ None of: 1. ☒ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application N 3. □ Copies of the certified copies of the priority documents have been received in application from the International Bureau (PCT Rule 17.2(a)).	Disposition of Claims	•					
9) ☐ The specification is objected to by the Examiner. 10) ☒ The drawing(s) filed on 05 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 (Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Actionary Priority under 35 U.S.C. § 119 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) a) ☒ All b) ☐ Some * c) ☐ None of: 1. ☒ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No. ☐ Copies of the certified copies of the priority documents have been received in application from the International Bureau (PCT Rule 17.2(a)).	4a) Of the above 5) ☐ Claim(s) 6) ☑ Claim(s) <u>1-16</u> 7) ☐ Claim(s)	ove claim(s) is/are withdrav is/are allowed. o is/are rejected. is/are objected to.	wn from consideration.				
10) ☐ The drawing(s) filed on <u>05 August 2003</u> is/are: a) ☐ accepted or b) ☐ objected to by Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 € Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Actionary Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application N 3. ☐ Copies of the certified copies of the priority documents have been received in application from the International Bureau (PCT Rule 17.2(a)).	Application Papers						
12) △ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) a) △ All b) ☐ Some * c) ☐ None of: 1. △ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application N 3. ☐ Copies of the certified copies of the priority documents have been received in application from the International Bureau (PCT Rule 17.2(a)).	10) The drawing (s Applicant may Replacement of	s) filed on <u>05 August 2003</u> is/are: not request that any objection to the drawing sheet(s) including the correct	a)⊠ accepted or b)□ objected drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).			
 a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application N 3. Copies of the certified copies of the priority documents have been received in application from the International Bureau (PCT Rule 17.2(a)). 	Priority under 35 U.S.	C. § 119					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 4) Interview Summary (PTO Paper No(s)/Mail Date	1) Notice of References (2) Notice of Draftsperson (3) Information Disclosure	s's Patent Drawing Review (PTO-948) Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail D 5) Notice of Informal I	ate			

Application/Control Number: 10/633,566

Art Unit: 2653

Detailed Action

Response to Amendment

• The reply filed on May 4, 2005 was applied to the following effect: Claims 1 and 6 were amended, and Claims 11-16 are newly added.

Claim Rejections - 35 USC § 102

- 1. The following is a quotation of 35 U.S.C. 102(b) which forms the basis for all obviousness rejections set forth in this Office action:
 - (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Hudson et al (USPN 6,229,667).
- Regarding Claims 1 and 6, Hudson et al shows (Figs. 2-4) a disk drive apparatus including at least one information recording disk, and at least one head arm assembly that comprises a head slider (42) having at least one head element (41), a high-stiffness arm member (3) for supporting the head slider at one end section, an actuator mounted to the other end section of the arm member (2), for rotationally moving the arm member in a direction substantially parallel with a surface of the information recording disk around a horizontal rotation axis of the arm member, and a resilient plate spring (49) for generating a load, the plate spring having one end section fixed to the arm member and the other end section provided with a load point for energizing the head slider in a direction to the surface of the information recording disk.
- 4. Regarding Claims 2 and 7, Hudson et al shows (Figs. 2-4) the disk drive apparatus and head arm assembly (Fig. 2), wherein the head arm assembly further comprises a flexure (3) with

Page 3

Application/Control Number: 10/633,566

Art Unit: 2653

one end section fixed to the arm member (2), the flexure having a resilience for determining flying attitude of the head slider.

- Regarding Claims 3 and 8, Hudson et al shows (Figs. 2-4) the disk drive apparatus and head arm assembly (Fig. 2), wherein one end of the plate spring (3) is fixed to a first surface (top) of the arm member, a second surface (bottom) of the arm member facing the recording medium surface, and wherein the one end section of the flexure is fixed to the second surface of the arm member.
- 6. Regarding Claims 4 and 9, Hudson et al shows (Figs. 2-4) the disk drive apparatus, wherein the horizontal rotation axis is provided at a horizontal bearing section (the portion with the threads shown) located at a midpoint of the arm member, and wherein the horizontal bearing section has means for adjusting a distance between the arm member and the surface of the information recording disk.
- 7. Regarding Claims 5 and 10, Hudson et al shows (Figs. 2-4) the disk drive apparatus and head arm assembly (Fig. 2), wherein the at least one head element comprises at least one thin-film magnetic head element (41).

Claim Rejections - 35 USC § 103

- 8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 9. Claims 11-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hudson et al (USPN 6,229,667) in view of Goss (USPN 5,786,961).

Application/Control Number: 10/633,566

Art Unit: 2653

Regarding Claims 11-16, Hudson et al shows all the features described, *supra*, but does not show a resilient plate spring has a dimple ball fixed to a top end section thereof.

Goss shows (Figs. 2 and 4) a resilient plate spring has a dimple ball fixed to a top end section thereof.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the actuator arm of Hudson et al with the gimbal assembly of Goss. The rationale is as follows: One of ordinary skill in the art at the time the invention was made would have been motivated to provide the actuator arm of Hudson et al with the gimbal assembly of Goss in order to maintain the optimum flying height of the head over the disk.

Response to Arguments

10. Applicant's arguments with respect to claims 1-16 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

11. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

Application/Control Number: 10/633,566

Art Unit: 2653

however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Blouin whose telephone number is (703) 305-5629. The examiner can normally be reached M-F, 6:00 am – 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful the examiner's supervisor, William Korzuch can be reached at (703) 305-6137. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9314 for regular and After Final communications.

Any inquiry of general nature or relating to the status of application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377.

Mark Blouin Patent Examiner Art Unit 2653 June 28, 2005

> A. J. HEINZ PRIMARY EXAMINER

GROUP 2559 A. U. 2 C 53